



Amendment Under 37 C.F.R. §1.111  
Application No. 10/735,844

Attorney Docket No. 032190

### **AMENDMENTS TO THE SPECIFICATION**

**Please amend the paragraph numbered [0007] on page 4 as follows:**

The high-temperature gas flow generated by the first process is desirably regulated in temperature by a temperature-regulating unit to a temperature within the range ~~[[of]]~~ between more than 300 ~~[[to]]~~ and 600 °C (more preferably 350 to 500 °C). The regulated temperatures permit polycyclic aromatic compounds to remain vaporized. As a result, the polycyclic aromatic compounds are streamed in a gaseous state through the heat-resistant filtering members without being mingled with the mixture of the fullerenes and soot. As represented by benzopyrene, hydrogen atoms in each of the polycyclic aromatic compounds account for a smaller percentage of the composition than those in other aromatic compounds, and the polycyclic aromatic compounds are similar in composition to the fullerenes. As a result, when the polycyclic aromatic compounds are mixed with the fullerenes, such a mixture is likely to inhibit the reaction of the fullerenes, or to adversely affect the inherent properties of the fullerenes. In addition, some of the polycyclic aromatic compounds may be physically detrimental, and those polycyclic aromatic compounds are preferably present in as small amount as possible in view of safety. The gas flow having temperatures of more than 600 °C is objectionable because the fullerenes are partially or wholly vaporized at temperatures over 600 °C.